



Planetary Analog Site Evaluation Card

Last Rated: 01 Nov 2007 (J, Matthews, D.Magruder,
M.Bualat)

SITE Dumont Dunes – Southern CA

POC BLM, Barstow Field Office
E-mail: **Tel:** 760-726-6055

LOCATION **Country:** USA **State:** California
Coordinates: 35°41.65N, 116°14.82W **Elevation:**
700-1200ft.
Nearest Airfield: Las Vegas, NV **Distance:** 120 mile
Map:



DESCRIPTION:

Environment: Death Valley
Facility: N/A
Crew: N/A
Experiments: N/A
Vehicles: N/A
Open: Year-round

HISTORY

NASA Involvement: Previous site for Athlete testing.

External Partners: N/A

FIGURES OF MERIT

Site value: 1 (low) to 5 (high)

Aspect	Details	Comment	1-5
EXPLORATION			
Environment	T, P, RH, Insolation, Radiation,...	Mojave Desert	
Topography	Available Area / Traverse Range	8,150 acres	5
	Slopes		5
Terrain	Block/Particle Size & Shape Distrib.	Sand, gravel, rocks	5
	Physical Properties	Compact, unconsol.	4
	Vegetation	Sparse	3
Subsurface	Structure (Layered, Massive,...)	Layered deposits	4
SCIENCE			
Geology	Composition (Mineral., Geochem.)	Quartz, Basalt, Salt	3
	Features (Surface, Subsurface)	Playa	3
	Processes (Impact, Volcanism,...)		3
Biology	Astrobiology (Extremophiles,...)		3
ACCESS			
Logistics	Airport (Major)	Las Vegas 2h away	3
	Road	18 Wheeler OK.	3
	Logistics Infrastructure Base Site	N/A	3
	Water & Food	Baker, CA (33 miles)	3
	Power	N/A	
	Comms	N/A	
	Lodging	Baker, CA (33 miles)	3
	Vehicles	SUVs, Rental OK	3
	Waste Disposal	no on site service	2
	Weather (T Range, Rain?)	60,70<T<80,100 F	3
Safety	Search & Rescue	N/A	2
	Medical Support, Hospital	Barstow, CA (90 miles)	2
Security	Controlled Access	Public access	2
E/PO - PA	Education	N/A	
	Public Outreach - Visual Appeal	N/A	
	Media	N/A	
Permits	Access & Land Use Permits	BLM	3
Partners	Partner Organizations / Leveraging	N/A	4
References	Maps, GIS Data, Publications	NASA, Edwards AFB	5

EVALUATION SUMMARY

Non-secure, public access. No on-site infrastructure.
Dry weather. Low cost.